

Amendments to the Claims

Please amend claims 13, 17-22, 24, 26, 29-31, 34, 36, and 39-41 and cancel claims 1-4, 6, 16, 27, 32, 37, 42, and 44 without prejudice as follows:

1-12. (Canceled)

13. (Currently amended) A method of providing a point-to-multipoint service in a mobile communication system, the method comprising:

establishing at least a first transmission state, a second transmission state, and a third transmission state for transmitting data to a plurality of terminals, wherein the first transmission state transmits data and control information to a plurality of terminals in a point-to-multipoint manner at a common channel, the second transmission state transmits data and control information, ~~respectively,~~ to a plurality of terminals in a point-to-multipoint manner at separate common data and common control channels, and the third transmission state transmits data and control information to a plurality of terminals in a point-to-point manner; and

selecting one of the three transmission states for transmitting data based on at least one state transition condition,

wherein the at least one state transition condition comprises at least one of transmission power required for transmitting the data, the number of terminals, or a number of codes required.

14. (Previously presented) The method of claim 13, wherein any one of the transmission states transition directly to any other transmission state in accordance with the at least one state transition condition.

15. (Previously presented) The method of claim 13, wherein the third transmission state transmits data at one of a dedicated channel and a common channel and transmits control information at a dedicated channel.

16. (Canceled)

17. (Currently amended) The method of claim [[16]] 13, wherein the first transmission state transitions to the second transition state if the transmission power required is larger than a threshold and the second transmission state transitions to the first transition state if the transmission power required is smaller than [[a]] the threshold.

18. (Currently amended) The method of claim [[16]] 13, wherein the second transmission state transitions to the third transition state if the number of terminals is smaller than a threshold and the third transmission state transitions to the second transition state if the number of terminals is larger than [[a]] the threshold.

19. (Currently amended) The method of claim [[16]] 13, wherein the second transmission state transitions to the third transition state if the number of codes required is smaller than a threshold and the third transmission state transitions to the second transition state if the number of codes required is larger than [[a]] the threshold.

..... 20. (Currently amended) The method of claim [[16]] 13, wherein the first transmission state transitions to the third transition state if the number of terminals is smaller than a threshold and the third transmission state transitions to the first transition state if the number of terminals is larger than [[a]] the threshold.

21. (Currently amended) The method of claim [[16]] 13, wherein the first transmission state transitions to the third transition state if the number of codes required is smaller than a threshold and the third transmission state transitions to the first transition state if the number of codes required is larger than [[a]] the threshold.

22. (Currently amended) A method of providing a point-to-multipoint service in a mobile communication system, the method comprising:

transmitting first point-to-multipoint service data to a plurality of terminals on a first shared physical channel; and

transmitting information on a second shared physical channel, the information associated with the first point-to-multipoint service data transmitted on the first shared physical channel,

wherein the information transmitted on the second shared physical channel includes at least one of reception indicator information, channel code information, pilot bits, ~~service data,~~ and or information regarding the number and size of the first point-to-multipoint service data transmitted on the first shared physical channel,

wherein second point-to-multipoint service data is also transmitted on the second shared physical channel.

23. (Previously presented) The method of claim 22, further comprising mapping a shared transport channel to the first shared physical channel.

24. (Currently amended) The method of claim 22, wherein the first shared physical channel is a physical downlink shared channel for first point-to-multipoint service data.

25. (Previously presented) The method of claim 22, wherein the second shared physical channel is a physical downlink shared channel for control.

26. (Currently amended) The method of claim 22, wherein a plurality of codes are used for the first point-to-multipoint service data transmitted on the first shared physical channel.

27-28. (Canceled)

29. (Currently amended) A method of providing a point-to-multipoint service in a mobile communication system, the method comprising:

receiving first point-to-multipoint service data on a first shared physical channel;

receiving information on a second shared physical channel, the information associated with the first point-to-multipoint service data transmitted on the first shared physical channel;
and

processing the first point-to-multipoint service data received on the first shared physical channel using the information received on the second shared physical channel;

wherein the information received on the second shared physical channel includes at least one of reception indicator information, channel code information, pilot bits, ~~service data,~~
~~and or~~ information regarding the number and size of the first point-to-multipoint service data transmitted on the first shared physical channel;

receiving a second point-to-multipoint service data on the second shared physical channel; and

processing the second point-to-multipoint service data received on the second shared physical channel.

30. (Currently amended) The method of claim 29, further comprising mapping at least one of the first point-to-multipoint service data, or the second point-to-multipoint service data to a shared transport channel.

31. (Currently amended) The method of claim 29, further comprising using a plurality of codes to process the first point-to-multipoint service data received on the first shared physical channel.

32-33. (Canceled)

34. (Currently amended) An apparatus for providing a point-to-multipoint service in a mobile communication system, the apparatus comprising:

a first ~~transmitting~~ transmission module transmitting first point-to-multipoint service data to a plurality of terminals on a first shared physical channel; and

a second ~~transmitting~~ transmission module transmitting information on a second shared physical channel-, the information associated with the first point-to-multipoint service data transmitted on the first shared physical channel-,

wherein the information transmitted by the second transmission module on the second shared physical channel includes at least one of reception indicator information, channel code information, pilot bits, ~~service data, and or~~ information regarding the number and size of the first point-to-multipoint service data transmitted on the first shared physical channel,

wherein the second transmission module transmits second point-to-multipoint service data on the second shared physical channel.

35. (Previously presented) The apparatus of claim 34, wherein the first transmission module maps a shared transport channel to the first shared physical channel.

36. (Currently amended) The apparatus of claim 34, wherein the first transmission module uses a plurality of codes for the first point-to-multipoint service data transmitted on the first shared physical channel.

37-38. (Canceled)

39. (Currently amended) A terminal for providing a point-to-multipoint service in a mobile communication system, the terminal comprising:

a first receiving module receiving first point-to-multipoint service data on a first shared physical channel;

a second receiving module receiving information on a second shared physical channel, the information associated with the first point-to-multipoint service data transmitted on the first shared physical channel; and

a processing module using the information received on the second shared physical channel to process the first point-to-multipoint service data received on the first shared physical channel,

wherein the information received on the second shared physical channel includes at least one of reception indicator information, channel code information, pilot bits, ~~service data,~~ and or information regarding the number and size of the data transmitted on the first shared physical channel,

wherein the second receiving module receives second point-to-multipoint service data on the second shared physical channel and the processing module processes the second point-to-multipoint service data received on the second shared physical channel.

40. (Currently amended) The terminal of claim 39, wherein the processing module maps the first point-to-multipoint service data received on the first shared physical channel to a shared transport channel.

41. (Currently amended) The terminal of claim 39, wherein the processing module uses a plurality of codes to process the first point-to-multipoint service data received on the first shared physical channel.

42-44. (Canceled)